



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/582,392

Confirmation No.: Herewith

Filing Date: June 9, 2006

Inventor(s): Horsky, et al.

Group Art Unit: Unknown

Examiner Name: Unknown

Attorney Docket No.: 211843-00044

Title: Method and Apparatus for Extending Equipment Uptime in Ion Implantation

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

This document is being filed pursuant to the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

**I. TIME OF FILING**

X This document is being filed in accordance with 37 C.F.R. § 1.97(b) as it is believed to be filed:

\_\_\_\_\_ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d);

\_\_\_\_\_ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application;

X before the mailing of a first Office action on the merits; or

\_\_\_\_\_ before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

OR

\_\_\_\_\_ This document is being filed in accordance with 37 C.F.R. § 1.97(c) as it is believed to be filed before the mailing date of any of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application. This Statement is accompanied by one of:

\_\_\_\_\_ the following statements; or

\_\_\_\_\_ Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

\_\_\_\_\_ No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

\_\_\_\_\_ The fee set forth in § 1.17(p). Fee Transmittal Form PTO/SB/17 is attached.

**OR**

\_\_\_\_\_ This document is being filed in accordance with 37 C.F.R. § 1.97(d) as it is believed to be filed on or before the payment of the issue fee and is accompanied by one of the following statements and the fee set forth in § 1.17(p). Fee Transmittal Form PTO/SB/17 is attached.

\_\_\_\_\_ Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

\_\_\_\_\_ No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

Applicant(s) respectfully request that the documents listed on the attached Form PTO/SB/08A and/or Form PTO/SB/08B be considered and made of record.

**OR**

\_\_\_\_\_ It is requested that this Statement and enclosures be placed in the file. It is understood that the cited references will not be considered by the Office.

## II. FOREIGN PATENT OFFICE COMMUNICATIONS (if applicable)

\_\_\_\_\_ One or more of the items of information contained in the information disclosure statement were cited in a communication from a foreign patent office in a counterpart foreign application.

\_\_\_\_\_ A copy of the search report is attached.

## III. COPIES OF CITED REFERENCES

\_\_\_\_\_ Because this application was filed prior to June 30, 2003, copies of the document(s) listed on the attached Form(s) PTO/SB/08A and/or PTO/SB/08B are attached.

OR

\_\_\_\_\_ Because this application was filed after June 30, 2003, copies of non-U.S. patent citations as listed on the attached Form(s) PTO/SB/08A and/or PTO/SB/08B are attached.

### AND (if applicable)

\_\_\_\_\_ All cited U.S. pending (non-published) applications listed on Form PTO/SB/08A are stored in the USPTO's IFW system. Copies are therefore not provided.

OR

\_\_\_\_\_ One or more of the cited U.S. pending (non-published) applications (filed prior to June 30, 2003) as listed on Form PTO/SB/08A has not been stored in the USPTO's IFW system. Copies for the unstored applications are provided herewith.

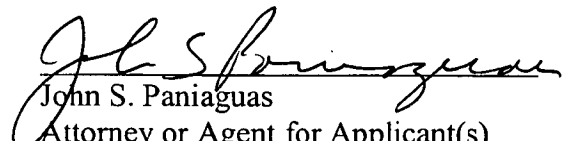
## IV. REMARKS

The above constitutes information that an Examiner may find material to the examination of the subject application; however, it does not negate the patentability of the subject invention. Furthermore, it is not intended that submission of this information be taken as a representation that a search has been made or that no information which is more material exists.

The Commissioner is hereby authorized to charge any fees which may be required or credit any overpayment with respect to this communication to Deposit Account No. 50-1214. A duplicate copy of this communication is enclosed.

Date: 8-17-06

By:

  
John S. Paniaguas  
Attorney or Agent for Applicant(s)  
Reg. No. 31,051



PTO/SB/08A (07-06)

Approved for use through 09/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1**Complete if Known**

Application Number	10/582,392
Filing Date	June 9, 2006
First Named Inventor	Horsky, et al.
Art Unit	Herewith
Examiner Name	Herewith
Attorney Docket Number	211843-00044

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 4,254,340	01-08-1979		
		US- 4,409,486	05-29-1981		
		US- 4,512,812	09-22-1983		
		US- 4,529,474	01-30-1984		
		US- 4,619,844	01-22-1985		
		US- 4,640,221	10-30-1985		
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		US- 4,983,850	03-09-1989		
		US- 5,028,791	02-28-1990		
		US- 5,049,784	05-24-1990		
		US- 5,083,061	11-15-1990		
		US- 5,089,747	02-16-1990		

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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SignatureDate  
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet **2** of**U. S. PATENT DOCUMENTS**

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		US- 5,097,179	01-25-1991		
		US- 5,101,110	11-9-1990		
		US- 5,129,958	05-23-1991		
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		US- 5,186,120	12-04-1991		
		US- 5,206,516	04-29-1991		
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		US- 5,429,070	11-20-1992		
		US- 5,451,258	05-11-1994		
		US- 5,466,942	12-10-1993		
		US- 5,486,235	08-09-1993		
		US- 5,536,330	05-15-1995		
		US- 5,554,854	07-17-1995		
		US- 5,576,538	03-27-1995		
		US- 5,616,208	06-07-1994		
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		US- 5,788,778	09-16-1996		
		US- 5,824,375	10-24-1996		
		US- 5,832,177	04-21-1995		
		US- 5,843,239	03-03-1997		
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		US- 6,160,262	10-21-1998		
		US- 6,178,925 B1	09-29-1999		
		US- 6,184,532 B1	05-22-1998		
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		US- 6,452,198 B1	06-28-2001		
		US- 6,452,338	03-17-1999		
		US- 6,464,891 B1	03-17-1999		

[illegible]

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		US- 6,486,431 B1	09-12-2000		
		US- 6,489,622 B1	03-01-2000		
		US- 6,498,348 B2	12-15-2000		
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 7

of

**Complete if Known**

Application Number	10/582,392
Filing Date	June 9, 2006
First Named Inventor	Horsky, et al.
Art Unit	Herewith
Examiner Name	Herewith
Attorney Docket Number	211843-00044

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	8
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8

of

Application Number	10/582,392
Filing Date	June 9, 2006
First Named Inventor	Horsky, et al
Art Unit	Herewith
Examiner Name	Herewith
Attorney Docket Number	211843-0004

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
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Sheet	9	of
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Attorney Docket Number	211843-00044

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		JP 56-026539				

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	10
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of

<b>Complete if Known</b>	
Application Number	10/582.392

**Filing Date** June 9, 2006

First Named Inventor	Horsky, et al.
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Art Unit	Herewith
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Examiner Name	Herewith
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Attorney Docket Number 211843-00044

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